

# Supplemental Material

## The Early Psychological Impacts of the Deepwater Horizon Oil Spill on Florida and Alabama Communities

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**Supplemental Table 1. Cognitive Scores for Study Participants**

<i>Cognitive measures<sup>a</sup></i>	<b>Exposure</b>			<b>Income Status</b>		
	<i>Indirect (n = 71)</i>	<i>Direct (n = 23)</i>	<i>p-value<sup>b</sup></i>	<i>Stable (n = 47)</i>	<i>Loss (n = 47)</i>	<i>p-value<sup>b</sup></i>
Digit Span	45.54 (21.61)	42.09 (07.93)	0.11	43.92 (10.24)	45.48 (07.92)	0.42
Stroop	49.33 (07.73)	50.09 (07.37)	0.68	49.21 (07.48)	49.86 (07.80)	0.69
SDMT	44.49 (12.01)	41.91 (10.35)	0.36	42.36 (12.10)	45.31 (11.03)	0.23
Trails A	47.40 (11.65)	48.35 (11.65)	0.70	45.63 (09.65)	49.69 (10.36)	0.05
Trails B	47.06 (10.92)	45.48 (07.59)	0.52	45.13 (09.38)	48.22 (10.80)	0.15
Pegboard (dom)	46.76 (10.83)	42.04 (10.61)	0.07	43.54 (11.17)	47.48 (10.40)	0.10
Pegboard (non-dom)	45.27 (09.76)	39.83 (10.60)	0.02	42.60 (10.82)	44.98 (09.58)	0.29

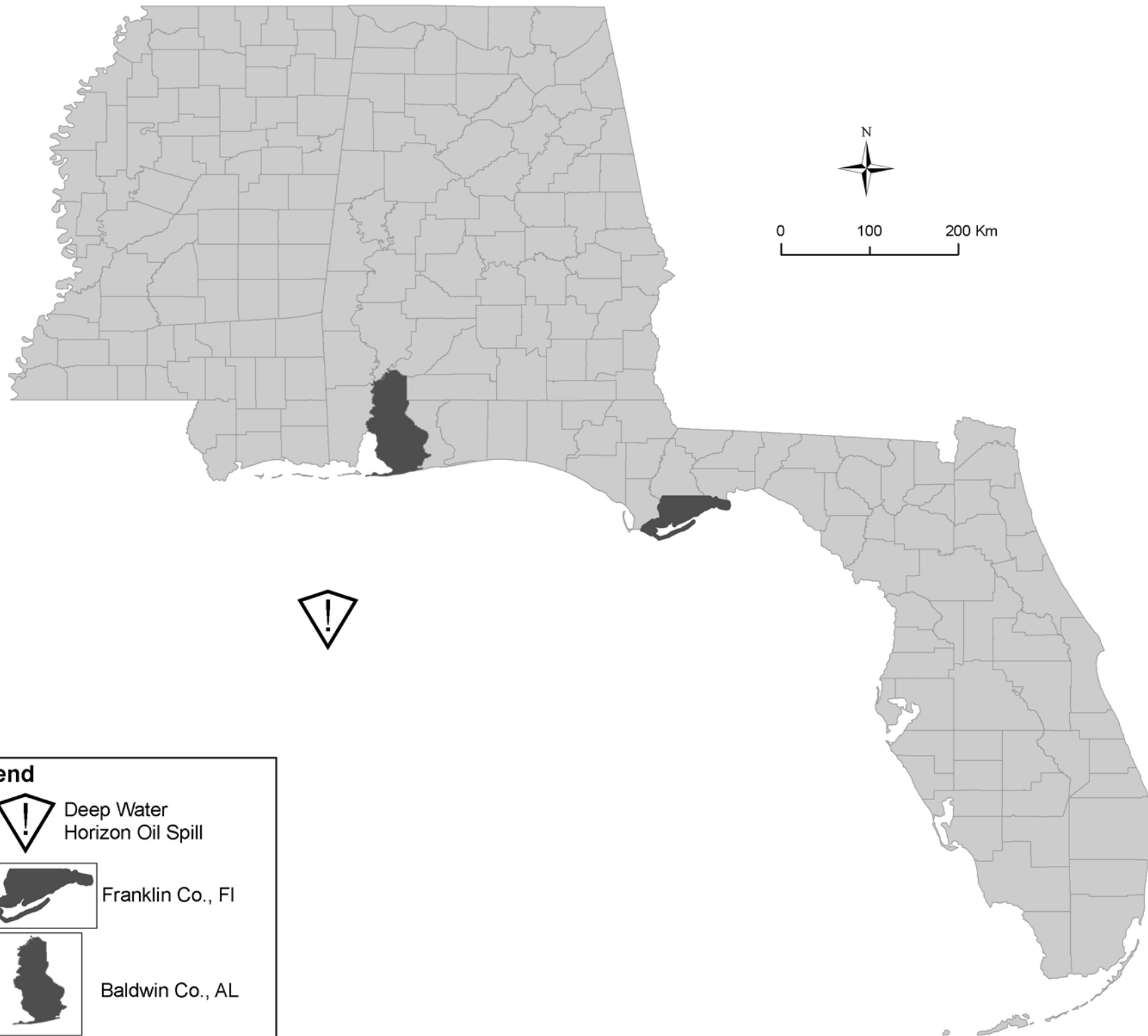
SDMT, Symbol Digit Modalities; dom, dominant hand; non-dom, non-dominant hand.

<sup>a</sup>Age, education and gender corrected t-scores, (mean=50, sd=10) are reported for all scales except for Symbol Digit Modalities (SDMT) which is reported as a raw score. Means (standard deviations) are reported. <sup>b</sup>Probability associated with an Independent Samples t-test (two-tailed distribution).


**Supplemental Table 2. Reliable Sources of Information**


<i>Sources<sup>a</sup></i>	<b>Exposure</b>			<b>Economic Resources</b>		
	<i>Indirect</i> ( <i>n</i> = 71)	<i>Direct</i> ( <i>n</i> = 23)	<i>p-value<sup>b</sup></i>	<i>Stable</i> ( <i>n</i> = 47)	<i>Loss</i> ( <i>n</i> = 47)	<i>p-value<sup>b</sup></i>
Department of Health	28	04	0.02	09	34	0.00
Friends and neighbors	32	26	0.58	25	36	0.25
Local fisherman	34	35	0.94	23	46	0.03
Local fisheries/trade association	26	44	0.12	16	66	0.00
Family doctor	06	04	0.75	07	05	0.65
Radio	34	18	0.14	21	39	0.06
Newspaper/media	80	78	0.86	82	77	0.60
BP PLC	05	22	0.01	09	09	1.00
FDA	00	04	0.09	02	00	0.32
Other	19	00	0.03	14	14	1.00


<sup>a</sup>All sources are reported as percentages. <sup>b</sup>Probability associated with a Chi square test (two-tailed distribution).



**Legend**

 Deep Water Horizon Oil Spill

 Franklin Co., FL

 Baldwin Co., AL

# Health and Coastal Environment Questionnaire-V

The purpose of the survey is to get your thoughts and opinions about the BP Oil Spill and how it impacts you. This information will be used to develop and adjust current and future community education and outreach initiatives. To protect your confidentiality, no identifying information will be obtained from you and all survey information will be kept in a locked filing cabinet where only research team members will have access to the information.

## Part 1. Environmental/Worry

I Worry About	YES	NO	
The impacts of the BP Gulf Oil Spill on the environment			
The impacts of the BP Gulf Oil Spill on fish and wildlife			
The impacts of the BP Gulf Oil Spill on human health			
The impacts of the BP Gulf Oil Spill on seafood safety			
The impacts of the BP Gulf Oil Spill on our local economy			

2. Many people tend to overreact to the threat of the BP Gulf Oil Spill.

Yes                      No                      Sometimes

3. BP Oil will be successful in cleaning up and restoring the environment.

Yes    No

4. Scientists will succeed in providing ways to restore the natural environment.

Yes    No

5. Can direct exposure to the oil in the Gulf or chemicals used to break it up cause any of the following human health problems? Please check

SYMPTOM	YES	NO	DON'T KNOW
Dizziness			
Confusion			
Alterations in taste and smell			
Fatigue			
Heart Problems			
Anxiety or Depression			
Spalinglen's Disease			

6. If there are health effects, are they short term or long term?

Short term

Long term

7. How much do the risks of the BP Oil Spill affect you?

Not at all

Very Much

Unsure

8. How much do these risks affect future generations?

Not at all

Very Much

Unsure

**Part 2. Safety.** Please circle a response below

1. How safe do you feel living in a Gulf community at this time?

Safe

Unsafe

Unsure

2. How safe do you feel eating Gulf fish and/or shellfish since the BP Oil Spill?

Safe

Unsafe

Unsure

3. Is there anything *you* can do to control your risk of exposure to the direct effects of the oil spill such as touching the risky water, or breathing fumes from the BP Oil Spill?

Yes

No

Don't Know

If yes, please specify\_\_\_\_\_

4. How much do *doctors* know about the human health risks of the BP Oil Spill?

Not at all

Very Much

Don't Know

5. How much do the *locals* know about the human health risks of the BP Oil Spill?

Not at all

Very Much

Don't Know

6. How much do *fishermen* know about the risks of the BP Oil Spill?

Not at all

Very Much

Don't Know

7. What is the biggest problem you have related to the Oil spill?

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### **Part 3. Interventions**

1. Do state or other officials make appropriate decisions about when to restrict areas from fishing due to the BP Oil Spill?

Yes

No

Sometimes

2. Do the FDA or other officials make appropriate decisions about shellfish safety for consumption?

Yes

No

Sometimes

3. Have you ever become sick from direct exposure to the BP Oil Spill?

Yes

No

Don't know

If yes, what did you do to feel better? \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

#### **Part 4. Sources of information**

1. Where do you get your most reliable information about human health and the BP Oil Spill? Please check all that apply

\_\_\_\_\_ Department of Health

\_\_\_\_\_ Family Doctor

\_\_\_\_\_ Friends and Neighbors

\_\_\_\_\_ Radio

\_\_\_\_\_ Local Fishermen

\_\_\_\_\_ Television, Newspaper

\_\_\_\_\_ Local or Trade Assoc.

\_\_\_\_\_ BP PLC

\_\_\_\_\_ Local Fisheries/Agriculture Dept.

\_\_\_\_\_ Other, (specify) \_\_\_\_\_

Date: \_\_\_\_\_

ID #: \_\_\_\_\_

ZIP Code: \_\_\_\_\_